RISO

120ppm
full-colour printer

RISO HC5500

Communicate in Colour

ComColor

The speed
&
power

to entirely change the face of office printing

RISO HC5500

*LCD touch panel and
HC Auto Stacker are optional.

HC5500

The HC5500 is the world's fastest[*1] office-use colour printer, printing colour documents at speeds of 120ppm[*2]. The printer produces highly attractive full colour copies at incredibly high speeds. Let the HC5500 drive your business expansion. The HC5500 comes loaded with the multiple functions demanded in today's office environment. It has a scan function for colour copying and digitizing documents. It is equipped with security functions created for shared printing on networks. The integrated print functionality lets you internally create sales promotion materials. It's multi-function finisher provides the perfect sorting solution for diverse departments by integrating offset stacker[*3], stapler, and center binding functions. With its powerful speed, efficient print job processing, and easily-managed functions, the HC5500 is truly an office workhorse. Try the HC5500 today and see for yourself the new speed that it brings to your world.

What is ComColor™?
RISO's trademark "ComColor™" is a synthesis of Communication and Colour.

- ComColor™ is a new type of printer that satisfies the need for "practical, fast and on demand" printing for business, as well as for daily life.
The HC5500 will ensure you never have to worry about the high cost and slow printing speed that usually is associated with colour printing.

Ultra-High-Speed 120ppm[*2] Output

500 sheets can be printed in about 4 minutes. The world's fastest[*1] full colour printer.

Lowest Running Cost per Page

Full colour, and economical. Colour on a black and white budget. A high volume tool that is economical at low volumes too.

Full Security

Print with the protection of a security code. Complete security created with network printing in mind.

Colour Copying

Transform the HC5500 into a colour copier by attaching a dedicated colour scanner[*3]. Of course, two-sided copying is also possible.

Automatic Finishing

A multiple-function finisher[*3] automates post-printing work such as stapling, punching holes, and folding.

PostScript® Models Available

Not only do we give you the choice of the GDI RIP "HC3R-5000", but also give you the choice of the PS RIP "ComColorExpress IS700C" for high end usage (such as DTP and print for profit).

*1 A4 long edge feed, simplex, continuous printing in standard mode. Based on office colour printers using cut sheet paper commercially available as of August 2007 (Source: RISO data).

*2 For A4 size, long-edge feed, simplex, continuous printing in standard mode.

*3 The colour scanner "HS2000", Multi function finisher "HC Finisher" and "HC Auto Stacker" are optional.

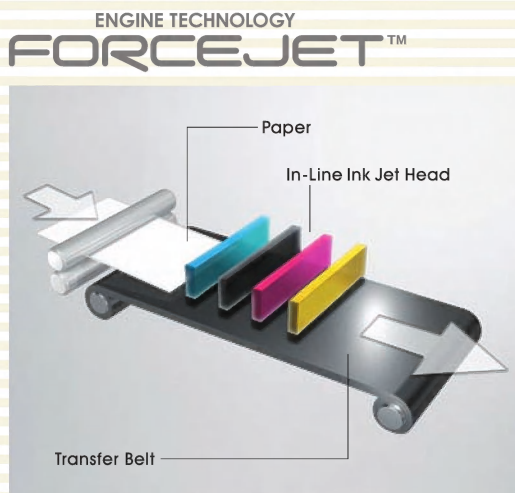# The world's fastest

full-colour office printer

RISO HC5500

High-speed, high-volume performance to meet all your printing needs

stable paper supply, the printer attains print speeds of 120ppm*, the fastest in the world.

* For A4 size, long-edge feed, simplex, continuous printing in standard mode. Based on office colour printers using cut sheet paper commercially available as of August 2007 (Source: RISO data).

World's Fastest at 120ppm

No other sheet-fed ink jet printer can print as fast as the HC5500 at 120 pages per minute in full colour, the HC5500's print speed can't be beat by any other ink jet printer.

Print time for 500 sheets

	(minutes)
	0 5 10 15 20
HC5500	About 4 minutes
High speed colour MFP	About 10 minutes
Colour Laser Printer	About 17 minutes

Compared to high speed colour MFP (50 sheets/min.) and high speed colour laser printer (30 sheets/min.) during full colour output in standard mode using A4 size paper, simplex, long-edge feed.

Duplex Printing as Standard

Once the front side has been printed, the sheet of paper is automatically reversed using a switch-back method paper feed and stack-less paper throughput mechanism to alternately print the front and back in a highly efficient manner. This technology allows rapid duplex printing at 96 ppm (48 sheets)* to dramatically improve printing productivity.

* For A4 size, long-edge feed, printing in standard mode.

In-line System Delivers High Speed Output

Based on high-performance ink jet technology used in commercial applications, the HC5500 is equipped with "FORCEJET™" high speed print technology developed for office printers. The technology consists of four colour 316mm wide In-line ink jet heads arranged in parallel, capable of printing onto short-edge A3 width paper with a single pass. Cyan, black, magenta and then yellow ink droplets are rapidly sprayed onto paper passing beneath the print heads. Combining high-speed printing functionality with a rapid and
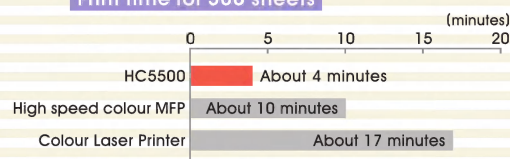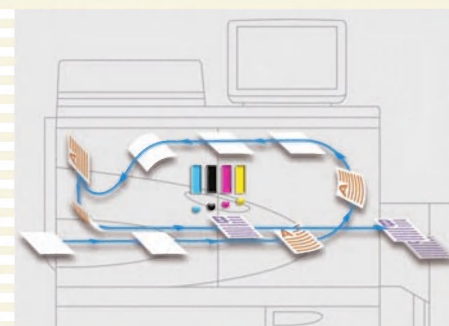
ENGINE TECHNOLOGY
FORCEJET™

Paper

In-Line Ink Jet Head

Transfer Belt

Straight Paper Path for Stable Feed

The printer uses a straight path feeding system to horizontally feed paper into the machine. This method allows high-speed printing with minimal print offset. The printer's "FORCEJET™" technology provides optimal control of the paper feed speed to match the amount of ink being sprayed from the ink heads. A sensor to detect double feeds also helps to minimize problems such as paper jams.

In-Line Ink Jet Head

Paper

Side view

Transfer Belt
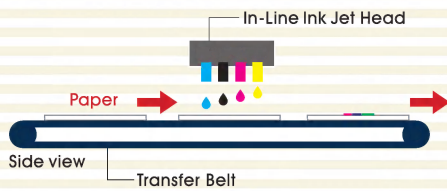
Large-Capacity Paper Feed Tray

By loading the same size paper into the upper / lower 2-level front and standard paper feed trays, over 2,500 sheets can be fed into the printer*. The front paper feed tray can also be refilled when the standard paper feed tray is in use, allowing a large volume of paper to be continuously fed without having to halt the print job. And of course different paper sizes can be set in the front and standard paper feed trays respectively.

* For 85g/m² paper.

A3 Full Size Printing Made Possible

The HC5500 printer can print paper sizes ranging up to 340mm x 550mm[*1]. The maximum print area exceeds A3 size at 314mm x 548mm[*2].

*1 When a paper feed tray is used.
*2 Depending on the application being used, printing at this size may not be possible.

Maximum paper size
340mm x 550mm

Paper output direction

A3
(297 x 420mm)

Maximum print range
314mm x 548mm
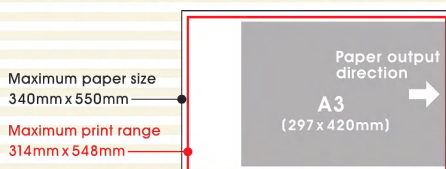
Print Onto Card Stock and Envelopes Too

The HC5500 printer offers a wide range of options with its ability to print on card stock used in postcards (up to 210g/m²) and commercially available envelopes*. The paper feed tray can be set at an incline (one level), allowing the envelopes to be smoothly fed during printing.

* The paper feed tray is used when printing envelopes. Only simplex printing is possible. It may not be possible to print some types of envelopes.
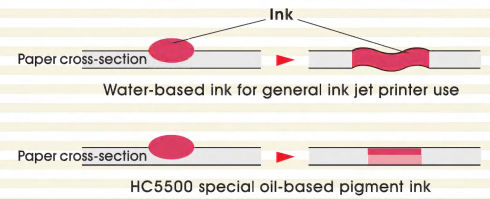* Please contact a sales representative for further details.
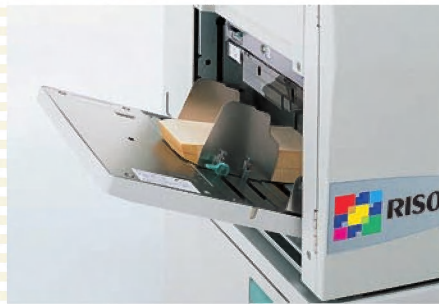
Special Ink for High Speed Printing

An oil-based pigment ink was developed exclusively for the HC5500 printer. The ink's quick-drying characteristics prevents it from staining the back side of the printed paper, prevents the paper from rippling, and allows high speed duplex inkjet printing at speeds that would have been impossible in the past. Duplex printing reduces the volume of paper being used and can reduce office printing costs. The ink is also resistant to light radiation and water. It's the perfect quality ink for business applications that demand resistance to fading and moisture*.

* Differs depending on paper type and usage environment.

Ink

Paper cross-section

Water-based ink for general ink jet printer use

Paper cross-section

HC5500 special oil-based pigment ink

Optimal Control of Ink Amount

The "FORCEJET™" engine achieves extremely fine gradations by controlling the ink drop amount so that up to 8 gradations can be achieved in a single colour dot.

ComColor™Standard: Reducing the Cost of Full Colour Printing

The amount of cyan, magenta, yellow and black ink used is controlled to take into account the original and paper type. The unique ComColor™Standard colour profile allows output at an image quality appropriate to the image to reduce ink consumption.

High-Volume Ink Cartridges

Each high-volume colour ink cartridge holds 1,000ml. The printer's ink cartridges let you make over 50,000 copies* without replacing cartridges. The one-colour-per-cartridge system also lets you replace only the colour that has been used up, and helps to reduce consumable waste.

* A4 size single side, RISO colour standard original, continuous printing in standard mode.

Outstanding

versatility and ease of operation

RISO HC5500

The HC5500 makes it easy to accomplish the widest variety of printing jobs

A Simple 15 inch LCD Touch Panel for Enhanced Feature Operation

A bright and easy-to-see 15-inch colour LCD display is used for the HC5500 touch panel. The operation screen is laid out in a simple configuration. Operations are simple, and you can easily adjust scanned images and security print settings. The angle of the monitor neck can also be easily adjusted to match the way it is being used as well as the environment in which it is installed.

* The touch panel display is required to use the scan function.

A3 Duplex Colour Scanner

When the optional colour scanner and the specified touch panel display are connected, you can use the HC5500 as a colour copier. The RISO scanner HS2000, a colour scanner exclusively designed for the HC5500 can output high speed scans at 20 ppm*. Equipped standard with a duplex auto feeder, dual side copies can also be handled at a high speed. The image is scanned at ultra high density at an optical resolution of 600dpi, allowing even small text to be clearly reproduced.

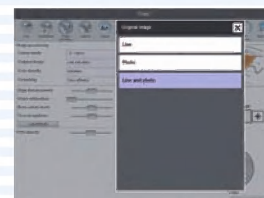* For A4 size, long-edge feed, simplex.

Standard Duplex Scanning

The RISO scanner HS2000 comes standard-equipped with a duplex auto feeder that holds up to 100* originals, allowing you to quickly scan multiple pages. Combined with the HC5500 high speed printing, you no longer need to wait for dual-sided colour copies.

* Under B4 size (80g/m^2).

Easy Image Adjustment from the Touch Panel

After scanning an original, you can adjust the image and print settings from the touch panel. The line and photo modes improve the reproduction of originals that have both text and photos. Use the multiple setting functions like character recognition of originals with mixed text and photos, moire elimination, and base colour levels to create easy-to-read and beautiful colour copies.
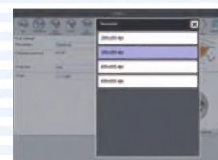
# Use Scan Functions and Send Scanned Data to Another Computer

Send scanned data to networked computers in PDF, JPEG, TIFF and PNG formats[1]. The data is initially saved to the HC5500 controller. Use the desktop computer's web browser to download scanned and saved data from a list. You can also send scanned data with convenient data transfer functions including to FTP, Scan to E-mail, and Scan to Shared folder[2].

[1] PNG format is supported by IS700C only.
[2] Send to FTP, Send to E-mail and Send to Shared folder are available with the IS700C only.

■ **Digitizing Documents**

Use the Scan function to digitize documents by scanning multiple documents for output into a single PDF file. Use this function to increase the efficiency of office file management.
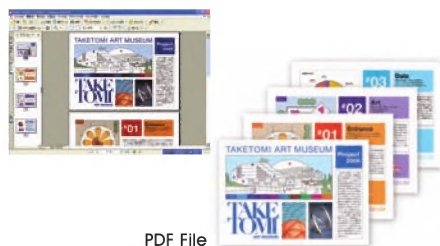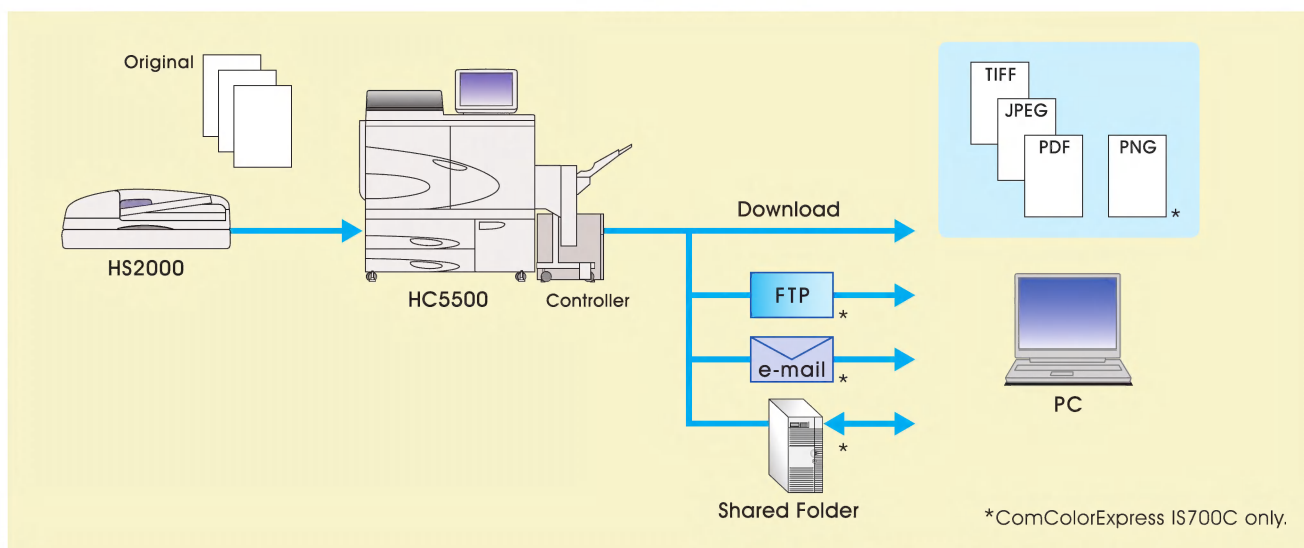
PDF File

■ **Restrict Access to Job**

Require input of a login password to browse and edit owner's job. This function allows you to secure important data.

■ **Scan Data Automatic Delete Function**

Use the Scan function to specify the time period for which scanned data is saved. Once set, scanned data will be automatically deleted once the specified time period elapses.

Original

TIFF
JPEG
PDF
PNG
*

Download

HS2000

HC5500   Controller

FTP
*

e-mail
*

Shared Folder
*

PC

*ComColorExpress IS700C only.

Use the Integrated Storage Functions Quickly Retrieve Data as Needed

Documents with a set format or documents that will be reprinted often can be stored on the RIP for quick call-up and printing. No more lost originals.
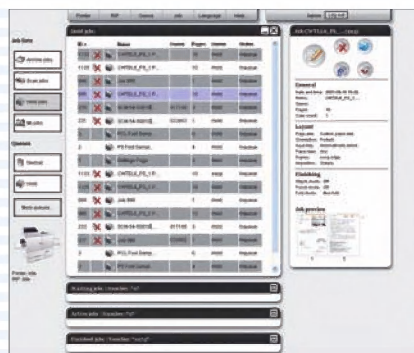
Manage Printing by Individual and Department

Use the owner login function to classify and manage scan data by individual or department. A password can be assigned to each owner for added security.
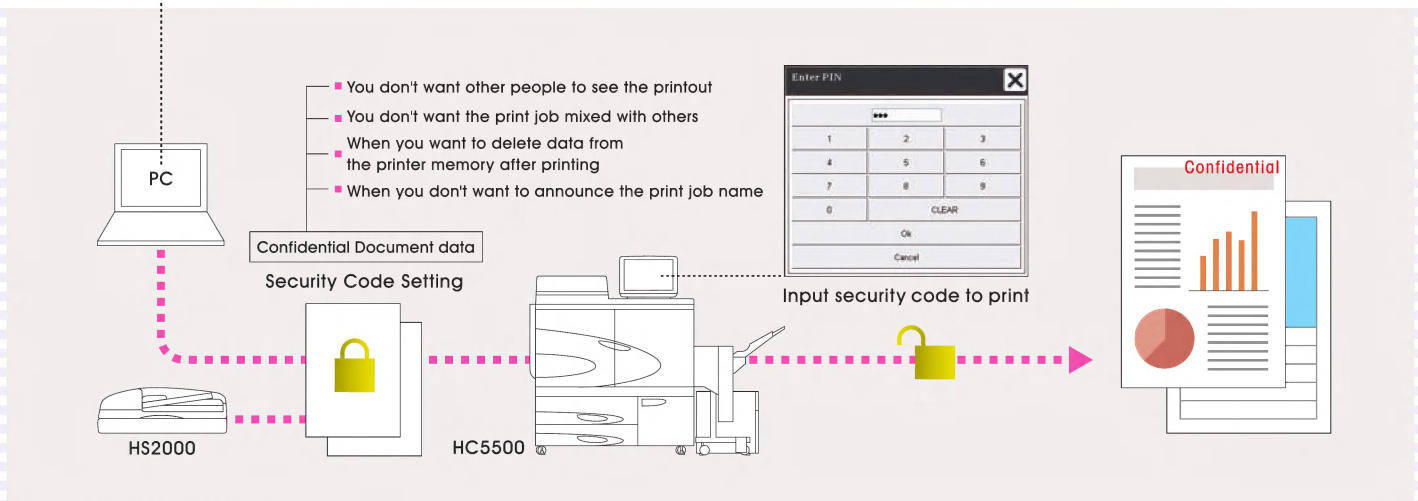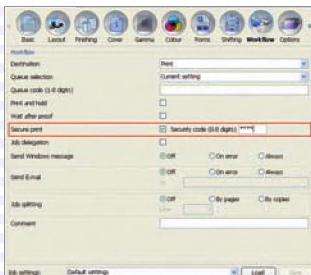
Security plus

the convenience of remote operation

RISO HC5500

The HC5500 keeps confidential documents away from prying eyes

Data Leak Prevention Function Using SSL[1] (encrypted communication)

During IPP[2] output, data being sent to the HC5500 is encrypted using SSL encryption. This prevents the reading of print data by unauthorized access from an external source.

[1] Secure Socket Layer.
[2] Internet Printing Protocol.

Secure Print Function for Printing at a High Security Level

When a printer is shared on a network, there is a danger that a sensitive document you print could get mixed up with another person's print job, causing an unauthorized individual to see your confidential document. The HC5500 is built with a secure print function, allowing you to print with high confidentiality.

■ Secure Print Using Security Code Input

You can set a security code for data that is being printed. That data is saved as "Pending", and by inputting a security code into the HC5500 touch panel, that print job will be printed out first.
This prevents the printout from being viewed and taken away by other people while the sensitive job is being printed. In addition, this function can also help reduce the instances of printouts being left on the printer.

- ■ You don't want other people to see the printout
- ■ You don't want the print job mixed with others
- ■ When you want to delete data from the printer memory after printing
- ■ When you don't want to announce the print job name

PC

Confidential Document data

Security Code Setting

Enter PIN

Input security code to print

Confidential

HS2000   HC5500

The Printer Administrator Can Make Security Settings

The security level of finished and queued jobs can be set on the administrator screen to match print usage conditions. The administrator can also choose to purge print data from the printer's memory, allowing confidential documents to remain confidential.

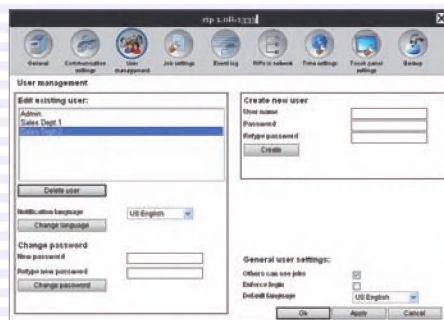## Login System

`ComColorExpress IS700C`

An owner login system controls access to ComColorExpress IS700C. A login password assigned to each owner can protect data confidentiality.
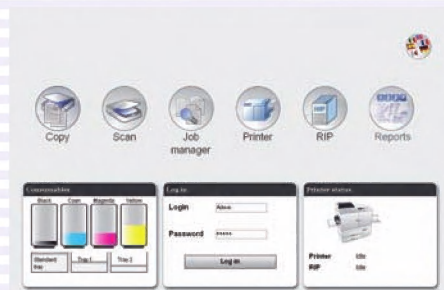
User Management

`ComColorExpress IS700C`

The administrator can manage usage of each user. Access authority can be assigned according to the frequency of use.

Managing the HC5500 Operations with a Computer Browser

A "Web Console"* function has been built into the HC5500 to allow you to use your computer's web browser to monitor and control print jobs. This function further expands network printing possibilities.

* For Windows, Internet Explorer Ver.6.0 SP1 or later or Firefox2.0 or later is required. For Mac OS, Safari2.0 or later or Firefox2.0 or later is required.

■ Monitoring the HC5500

You can monitor the HC5500 usage status, as well as the amount of remaining consumables such as paper, ink, and the like. Used as a shared printer, you can check on the printer status from your computer without leaving the comfort of your chair, even if the printer is located far away.

■ Managing Print Jobs

Data storage and form registration and management can be done from your desktop computer. Use the Job Manager to reprint stored data and forms and display the status of a job. If frequently used data and print conditions are saved together, the job can be reprinted using the same print conditions just by selecting that saved data. This handy feature reduces the time required to modify driver settings during a print.

■ Obtaining Accounting Information

Display the history of jobs printed by the HC5500. This function allows you to obtain accounting information such as the paper type, pagination, details of optional processing, the actual number of copies printed, job comments, and the like. This information can be saved on your computer as a CSV file and viewed and edited using spreadsheet software such as Microsoft Excel. By understanding the operating conditions under which the HC5500 is being used, you can more efficiently manage operations, and make the correct inter-departmental charges.

■ Adding Print Direction Comments to Print Data

You can add comments to the data being sent to the print manager. You can add comments like what paper type and colour to use, size, warnings, and the name of the sender.
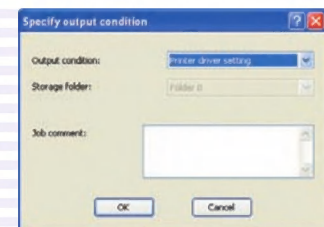
Convenient Touch Panel

Various convenient functions are available on LCD touch panel (Optional). Job manager: the status of job processed by the HC5500 is displayed. Monitoring function: possible to check the printer status, remaining volume of the consumables, etc...
Paper jam location display: If a paper jam occurs in the Finisher or in the printer, printing stops and the jam location is indicated.
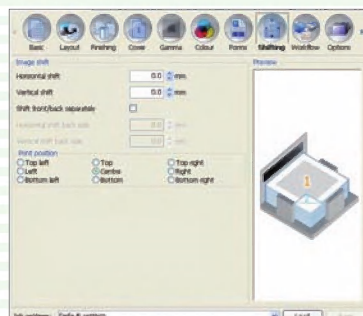
Wide-ranging

functions for multipurpose use

RISO HC5500

Complete control to create documents the way you want them

Use the Booklet Setting to Easily Create Paged Documents

Create a double-sided two-page paginated spread without using an application. This function lets you print multiple-page documents such as booklets and pamphlets.

Booklet
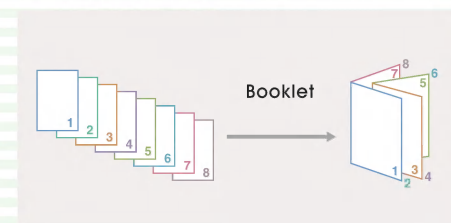
Use Printer Collate to Select the Print Units of Paginated Documents

The printer collate function is divided into "Sort" and "Group". Use "Sort" to print the required number of copies in page order. Use "Group" to print the required number of copies for each page. Select one or the other depending on the printed material being created. Paginated items are normally set to print as collated. This function allows conference materials etc. to be quickly prepared.

Printer Collate

Sort

Group

Prints required number of copies in page order
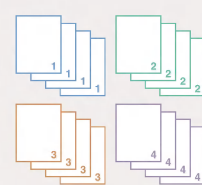
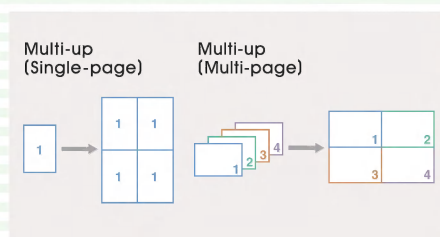Prints required number of copies by page

Use the Printer Driver to Adjust the Original Data

The print direction rotation, position adjustment and data enlargement/shrinking to match the paper size can all be set from the printer driver.
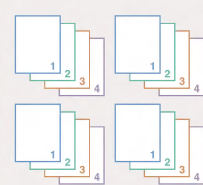
Multi-up (Single-page) / Multi-up (Multi-page) Combines Multiple Pages on One Sheet in an Easy-to-See Format

This function allows multi-up (single-page) printing by reducing the size of the original and printing multiple copies on one sheet of paper, as well as allowing multi-up (multi-page) printing by printing multiple pages on one sheet of paper. This function allows you to reduce the number of printed pages to conserve paper, and is useful in compactly combining bulky documents into an easy-to-read format.

Multi-up (Single-page)

Multi-up (Multi-page)

Job Separation Function Automatically Inserts Separation

A separator page can be inserted to separate each job, or for every division of collated copies and page units. A previously prepared cover sheet can also be inserted. This function allows you to easily complete the normally tiresome task of job separation.

* When you use the job separation function, you cannot print onto the separator or cover sheets.

Separation Paper

Between Job | Every Division (Collate) | Every Division (Non-collate)

Use the "Proof Copy" Function to Proof Job Before Printing

This function allows you to proof a copy prior to printing multiple copies. It lets you proof the layout, binding margin, finisher settings prior to printing the entire job, and can eliminate paper waste due to improper settings.

PC → HC5500 → OK
Proof Copy

Select Line-based or Photo-based Modes to Match the Original

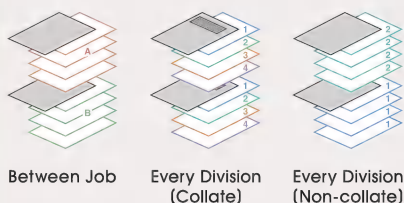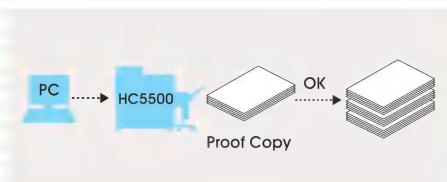You can economically print business documents containing mainly text by selecting the "Line-based" mode. You can also print sharp copies of flyers that incorporate images and graphics by selecting "Photo-based" mode. Use the mode that is appropriate to the original being copied.

Fine Printing for Clearer Images

Create crisp images by selecting the "Fine" print setting. You can also modify the finished image by manually selecting the ink's maximum drop number.

Normal   Fine
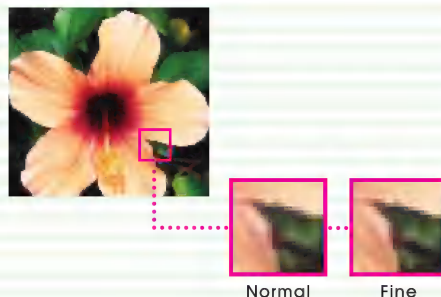
Gamma Control to Adjust Contrast, Lightness, and Saturation

The contrast, lightness and saturation of the original image can be adjusted. This is a useful function for reproducing clear images and images that better match the original.

*Only available on the HC3R-5000.

Two Half-tone Processing Methods to Match the Photo

The printer does halftone processing of images (screening) in two ways: "error diffusion" and "dot screen" processing. In "error diffusion", gradation is achieved through differing dot densities. In "dot screen", gradation is achieved by modifying the dot size. Achieve beautiful print results by using the processing method that best fits the image being printed. For example, use error diffusion for full colour images and dot screen processing for black and white images or images with few colours.

Line Smoothing for Smooth Font Rendering

If text or illustration contours appear jagged, use the line smoothing process to correct the problem and create a smooth look.

* Use of the line smoothing function will decrease printer speed.

Line Smoothing Off   Line Smoothing On

Easily Adjust Settings with the Main Operation Panel

An operation panel is built into the printer body. This allows the user to execute operations from both a PC's printer driver as well as from the printer itself. Once the print position and density have been adjusted with the main operation panel, a test print can be output to check the print job.

■ Use the Saved Data Recall Function to Print Additional Sheets

When the save data setting is on, the last-printed page data is saved to the controller. Once a print job is completed, the main operation panel can be used to reprint. This is a useful function to print additional copies of the same flyer etc. You can turn the "save data" setting off when printing confidential documents so that the print data does not remain in the memory.

■ Adjust the Print Position Even After Starting a Print Job

The print position can also be adjusted from the main operation panel. You can adjust the position in 0.5mm increments between 0mm to 20mm from the top and bottom, and left and right. You can even make changes after a print job has started, without having to modify any computer settings. The ability to change settings allows the user to continue working efficiently. Once a position has been adjusted, you can check the finished results using a test print.

* When printing page data, the adjustment is applied to the sheet that was last printed.

Operation panel

Proof copy | Print position adjustment | Test printing | OK
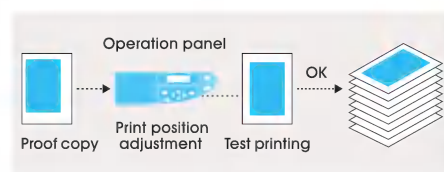
The power

to process documents fast

RISO HC5500

Dedicated controllers put high-speed processing power at your service

Useful Watermark Printing for Internal Documents `HC3R-5000`

Use the watermark function to print watermarks like "Important", "Urgent" and "Circulate". This function eliminates the need to stamp documents after they have been printed. You can also freely change the watermark placement. Additional watermarks can also be registered.

DTP Data Compatibility `ComColorExpress IS700C`

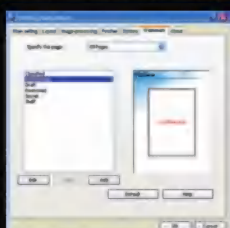The HC5500 is installed with a specialized RIP system that uses Adobe® PostScript®3™, making it possible to print postscript data created using DTP software. It comes with 139 western fonts. Commercially available PS fonts can also be installed. This function lets you print promotional flyers with multiple images and pamphlets with many pages without the bother of a computer.

Gamma Adjustment for Setting Image Contrast and Density
`ComColorExpress IS700C`

You can adjust the contrast and density of images that are ill-defined, too light or too dark to one of 5 different levels. You can also make additional fine adjustments for each CMYK colour (numerical value range 0.1 to 3.0) from "Details". This allows you to adjust the images to your preference.
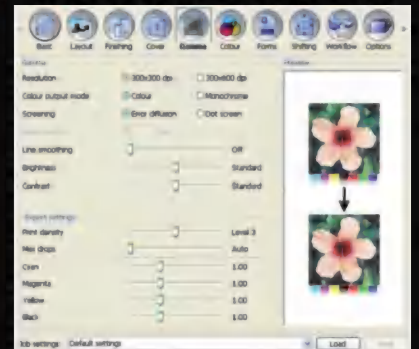
■ Colour Profile Uploading

Additional user-defined colour profiles can be installed with ComColorExpress IS700C*. You can tune colour for many purposes.

* Colour profile uploading available with the "IS700C Advanced Package".

Form Function for Combining and Printing Forms
`ComColorExpress IS700C`

Frequently used data, like company/manufacturer logos, branded character marks, letterhead etc. can be registered as a set form. You can select and setup a form so that the original data is combined with and printed out as a form. Use this handy function to create newsletters, internal memos, and price board required a consistent format. Duplex data can also be combined separately with forms on the front and back of sheets.
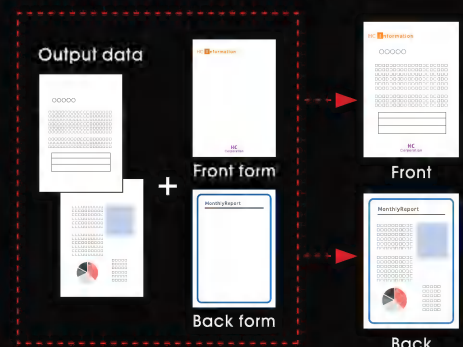
"Single side overlay" + "Specify Front and Back respectively"

Archive Function to Save RIP Data `ComColorExpress IS700C`

The printer is equipped with a function to save jobs to an archive as RIP data. You can print saved jobs from the job manager, eliminating the need to open RIP and allowing print time to be shortened. This is a handy function for jobs requiring significant reprinting.

▪ Editing Archived Data

An archive editing functions have been built into ComColorExpress IS700C to allow you to merge and sort archived data*. You can save different types of jobs into the RIP as archived data, and then merge them to create one document for printing. These functions have a powerful effect when making conference material and the like.
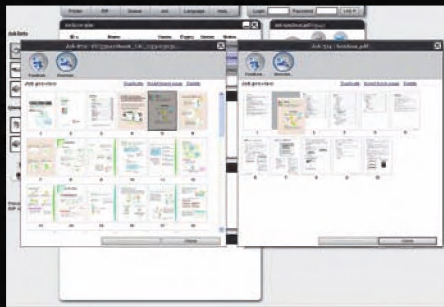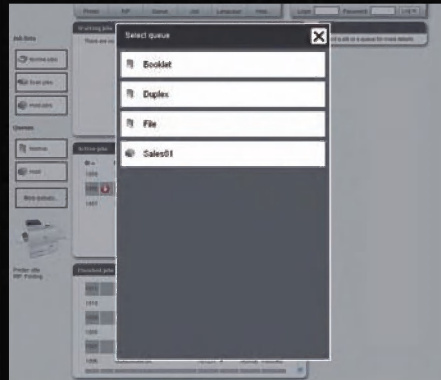
*Archive editing is available with the "IS700C Advanced Package".

Archive

Custom Queue to Improve Daily Print Work
`ComColorExpress IS700C`

A queue system has been introduced to manage received print data. You can create queues for your usage and assign print settings for each purpose. This function makes everyday printing operations more efficient.

Clustering Function for Efficient Job Distribution
`ComColorExpress IS700C`

If multiple HC5500 units are networked together, a clustering (load distribution processing) function can be used to allocate print jobs from a printer unit that is busy to another HC5500 unit that is currently idle. A single job can also be divided and processed in parallel on two machines. This further increases the efficiency of print operations.
A maximum of 4 HC5500 units can be registered to the master machine.

Quickly Processes High Volume Data and Multiple Pages
`ComColorExpress IS700C`

The ComColorExpress IS700C uses an Intel Pentium 4 CPU to quickly process even large amounts of data. Its high volume hard disc and memory allow high volume and multiple-page data to be efficiently printed. Its large volume hard disc also handles extensive data storage.

Switch Single-page Data to Efficiently Process Variable Print Jobs
`ComColorExpress IS700C`

Use this function to switch out DM content to match customer information and address printing for invitations and the like. ComColorExpress IS700C allows data to be switched out page by page and printed, making it the perfect solution for variable print jobs. This is an important tool for "One to One" marketing. ComColorExpress IS700C supports PPML format*.

* PPML 2.1, conformance subset GA (graphic arts), Level 1. PPML jobs must be submitted as ZIP files (1 ZIP file per job). PPML imposition commands are not supported.
PPML compatibility is available with "IS700C Professional Package".

★ More efficient printing can be achieved using a variable print application that is compatible with PostScript or PPML.
Please contact a sales representative for further details.
★ Print speed may slow with increased volume.

[PC]

Data   Data division, distribution

Print   Print

HC5500   HC5500
[Master machine]   [Slaver machine]
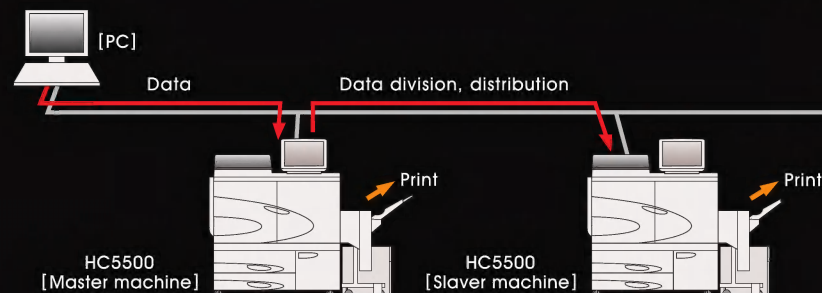
Auto finishing

completes the job

RIS0 HC5500

A full range of auto finishing functions gives documents the professional look

RISO Auto Control Stacking Tray II

RISO Auto Control Stacking Tray II Specifications

Function	Auto stack guide control
Paper Size	100mm x 148mm – 320mm x 432mm*1
Paper Weight	46g/m² – 210g/m²
Tray Capacity	1,000 sheets*2
Weight	7kg

*1 When using paper larger than 320mm x 432mm, fold the stack guide before printing.
*2 For 85g/m² paper.

HC Auto Stacker

(LCD touch panel is optional.)

HC Auto Stacker*3 Specifications

Function	Offset Output
Paper Size	100mm x 148mm – 305mm x 432mm*4
Paper Weight	46g/m² – 210g/m²
Tray Capacity	A4R/A4/B5R/B5: 1,150 sheets, A3/B4: 500 sheets*5
Weight	19.9kg

*3 When connecting the HC Auto Stacker, maximum print speed will be 115ppm (For A4 size, long-edge feed, printing in standard mode).
*4 Paper that can be used for offset output: W131mm x L148mm – W305mm x L432mm.
*5 For 85g/m² paper.

HC Finisher

HC Center Binding Finisher System

Adding to the HC finisher system functionality, center binding and 2-folding are now possible. The center binding finisher system can handle 60 pages (15 sheets)*6 of booklet creation and 20 pages (5 sheets)*6 of dual fold processing. Up to 2,000 sheets of paper*7 can be loaded in the stacking tray.

*6 For 85g/m² paper. For booklets (center bind) that exceed 60 pages and 2-fold jobs that exceed 20 pages, separate volume settings can be made.
*7 Dependent on paper size and weight.

Punching Function
Stapling Function
Booklet Making Function
Folding Function

HC Finisher Specifications

HC Finisher			
Paper Size	Top Tray	Max. A3W or equivalent (330mm x 488mm) Min. 100mm x 148mm	
	Stacking Tray	182mm to 330mm x 182mm to 488mm[*1]	
	Booklet Tray	210mm to 316mm x 280mm to 457mm	
Paper Weight	Top Tray	$46g/m^2$ to $210g/m^2$ (Cover Sheet: $60g/m^2$ to $220g/m^2$)	
	Stacking Tray	$46g/m^2$ to $210g/m^2$ (Cover Sheet: $60g/m^2$ to $220g/m^2$)	
	Booklet Tray	$60g/m^2$ to $90g/m^2$ (Cover Sheet: $60g/m^2$ to $220g/m^2$)	
Paper Capacity [*2]	Top Tray	500 Sheets	
	Stacking Tray	2,000 Sheets, 200 Sets (A4 Landscape, B5 Landscape) 1,500 Sheets, 100 Sets (Other)	
	Booklet Tray	20 Sets	
Cover Sheet Tray [*2]	Paper Size	A3/B4/A4 Landscape/A4/B5 Landscape/B5	
	Tray Capacity	200 Sets	
	Paper Weight	$60g/m^2$ to $220g/m^2$	
Staple	Paper Capacity	100 Sets[*2]	
	Paper Size	203mm to 297mm x 182mm to 432mm	
	Position	Front: 1 Position (Tilt, Vertical), Rear: 1 Position (Tilt, Vertical), 2 Positions (Parallel)	
Punch	Paper Size	A3/B4/A4 Landscape/A4/B5 Landscape (2 Holes) A3/A4 Landscape (4 Holes)	
	# of Hole	2/4 Holes	
	Paper Weight	$46g/m^2$ to $157g/m^2$	
Booklet Making [*2]	Booklet with Staple	15 Sheets (60 Pages)	
	Folding	5 Sheets (20 Pages)	
Weight		143kg	
Dimensions (WxDxH)		1,358mm x 725mm x 1,165mm	
Power Source		AC100–240V, 50/60Hz, 2.0/1.0A or more	
Power Consumption		175W (in use), 30W (stand by), 1W or less (sleep)	

*1: The maximum paper size that can be specified by the printer driver is 316mm x 460mm.
*2: in case of $85g/m^2$.

RISO Scanner HS2000 Specifications

RISO Scanner HS2000			RISO Controller HC3R-5000	ComColorExpress IS700C
Type		Desktop colour image scanner with Automatic Document Feeder		
Scanner Mode		Colour and monochrome		
Maximum Scan Range		303mm x 432mm		
Optical Resolution		600dpi		
Auto Feeder Speed		Page scan speed: 20ppm or more		
First Page Print Time		20 seconds or less (For A4 size, long-edge feed, simplex)		
Scan Speed		132.298mm/sec (standard)		
Analog-to-Digital Conversion		8 bit		
Image Sensor		CCD		
Light Source		White xenon lamp		
Colour Separation		RGB colour sensor		
Controller			RISO Controller HC3R-5000	ComColorExpress IS700C
Function	Copy		Original image type selection (Line/Line and Photo/Photo), Colour mode, Input tray selection, Duplex printing, Imposition (Multi-up (single page)/Multi-up (multi-page)/Booklet), Zoom, Screening, Resolution, Gamma control, Collate, Job separation, Optional finisher functions	Original image type selection (Line/Line and Photo/Photo), Colour mode, Input tray selection, Duplex printing, Imposition (Multi-up (single page)/Multi-up (multi-page)/Booklet), Zoom, Screening, Resolution, Gamma control, Collate, Job separation, Optional finisher functions, Form, Image position adjustment
	Scan		Resolution: 200/300/400/600 dpi Image format: TIFF/PDF/JPEG Original image type selection, Colour mode, Zoom, Screening, Resolution, Gamma control, Scan density adjustment	Resolution: 200/300/400/600 dpi Image format: TIFF/PDF/PNG/JPEG Original image type selection, Colour mode, Zoom, Screening, Resolution, Gamma control, Scan density adjustment, Scan to archive, Scan to FTP, Scan to E-mail, Scan to shared fold
Automatic Document Feeder	Type	Original transfer (can perform duplex scanning with switchback system)		
	Original Size	Front: Postcard – A3		
	Paper Quality	$52g/m^2 – 128g/m^2$		
	Original Capacity: Smaller than B4	$80g/m^2$ or less: 100 pages or less $81g/m^2$ or more: Loading height maximum is 15mm or less		
	Original Capacity: B4 or larger	$80g/m^2$ or less: 60 pages or less $81g/m^2$ or more: Loading height maximum is 9mm or less		
Operating Noise		68 dB or less		
Power Source		AC100–240V, 1.0/0.6A, 50/60Hz		
Power Consumption		100V: 100W or less, 200V: 120W or less		
Weight		Approximately 27kg		
Dimensions (WxDxH)		642mm x 551mm x 247.5mm		

Specifications are subject to change without notice. Details may vary depending on the region.

RISO HC5500 & Controller Specifications

● Main Body (equipped with Auto Control Stacking Tray II)

RISO HC5500		
Print Type	Line Type Ink Jet System	
Resolution	Normal: 600 dpi or equivalent Fine: 900 dpi or equivalent (Line Smoothing: ON)	
Print Head	Piezo type, Physical Resolution 300 dpi, 8 Gradation	
Ink	Oil based pigment type, Cyan / Magenta / Yellow / Black, 1,000ml for each	
Print Speed*1	120 ppm, Duplex 96 ppm (A4, Landscape, Normal mode)	
Duplex Printing	Standard	
Printer Collate	Standard	
Paper Size	Paper Feed Tray: Max. A3 (297mm x 432mm) Min. 182mm x 182mm Standard Paper Feed Tray: Max. 340mm x 550mm Min. 90mm x 148mm	
Paper Weight	Paper Feed Tray: 52g/m^2 to 104g/m^2 paper Standard Paper Feed Tray: 46g/m^2 to 210g/m^2 paper	
Printable Area*2	Max. 314mm x 548mm (margin width of 1mm)	
Guaranteed Print Area*3	Min. 80mm x 138mm (margin width of 5mm) Max. 306mm x 540mm (margin width of 5mm)	
Feed Tray Capacity*1	Paper Feed Tray 1: 1,000 sheets, Paper Feed Tray 2: 500 sheets, Standard Paper Feed Tray: 1,000 sheets	
Paper Receiving Tray Capacity*1	1,000 sheets	
RISO Extended Print Function	Proof copy (set in the driver) / test print (printer) / print position adjustment (20mm in vertical and horizontal directions / adjustable in temporary data in printer) / additional print (temporary data retrieve)	
Printer Memory	640MB	
Power Source	AC100 – 240V, 50/60Hz, 12.0 – 6.0A or more	
Power Consumption	Maximum: 800W or less, Ready*4: 300W or less, Stand-by: 150W or less, Sleep mode: 20W or less	
Operating Noise	Operating: 68dB or less	
Operating Environment	Temperature: 15°C – 30°C (59°F – 86°F), Humidity: 40% – 70% (no dew condensation)	
Weight	Approximately 266kg (including stand)*5	
Dimensions (WxDxH)	In use: 1,800mm x 695mm x 1,135mm Paper Receiving Tray and Standard Feed Tray folded: 1,220mm x 695mm x 1,135mm	

Printer Controller		
Controller	**RISO Controller HC3R-5000**	**ComColorExpress IS700C**
Printer that can be connected	RISO HC5500	
CPU	Intel Celeron 2.9GHz	Intel Pentium 4 3.4GHz
Memory Capacity	256MB	512MB x 2
HDD	80GB (User available area: 70GB) User available area: Job receiving area, Hold / Scan data storage	160GB (User available area: 150GB) User available area: Job receiving area, Hold and Archive / Form / Scan data storage, Font installation area
OS	Linux	
Interface	Ethernet / 1000Base-T, 100Base-TX, 10Base-T	
PDL (page description language)	Original PDL	Adobe® PostScript® 3™, PCL 5c / PCL 6 (PCL XL), PPML*6 *7
Installed Font	—	PS 139 fonts, PCL 88 fonts
Applicable Protocol	TCP / IP	TCP / IP, Apple Talk
Applicable OS	Windows 2000 (SP2 or later) / Windows XP (SP2 or later) / Windows Server 2003 *Windows Vista will be supported.	Windows 2000 (SP4 or later) / Windows XP (SP2 or later) / Windows Server 2003 *Windows Vista will be supported. MacOS X (10.4)
Colour Management	"ComColor Standard" colour management is provided.	"ComColor Standard" colour management is provided. User colour profile uploading*8
Imposition	Multi-up (single page) / Multi-up (multi-page) / Booklet	Multi-up (single page) / Multi-up (multi-page) / Booklet / Booklet Fold
Image Processing	Screening: Error Diffusion / Dot Screen, Line Smoothing, Gamma control: Lightness / Chromaticness / Contrast	Screening: Error Diffusion / Dot Screen, Line Smoothing, Gamma control: Brightness / Contrast / Print density
Image Position Adjustment	Image position can be adjusted in the vertical and horizontal directions from –20mm to +20mm on both the front and back sides.	Image position can be adjusted in the vertical and horizontal directions from –254mm to +254mm on both the front and back sides.
Archived Data Management	—	Registration of form, Overlay Function, Editing archived jobs*8
Paper Feed / Ejection Processing	Auto tray selection, Duplex printing, Job separation, Printer collate, Support of HC Finisher (optional), Output face setting, Reverse order	
Clustering	—	Job delegation, Job splitting
Sample Page Print	Configuration, Sample image	Setting page, PS font sample page, PCL font sample page
Secure Print	Security code setting	
Monitoring Function	Printer status display, Paper information display, Installed options display, Consumable status display	
Job Manager Function	Job status display, Job storage management, Scan job management	Job status display, Job storage management, Archive management, Scan job management, User's job management
Historical Management	Account record display	Account record display, Storage of event logs
Administrator Function	Network setting, Security setting, Direct output setting, Storage folder setting, Paper size entry, Initial setting	Communication setting, User management, Font download, Queue management, Paper size entry, Initial setting, Backup setting
Applicable Browser	Windows: Internet Explorer Ver. 6.0 SP1 or later	Windows: Internet Explorer Ver. 6.0 SP1 or later, Firefox 2.0 or later MacOS: Safari 2.0 or later, Firefox 2.0 or later
Utilities	RISO IP setting tool, RISO Wakeup tool, Printer driver installer	RISO Management tool (IP setup, Wakeup), Printer driver installer, SMAP
Power Source	AC100 – 240V, 50/60Hz, 2.5 – 1.8A or more	
Maximum Power Consumption	300W	
Dimensions (WxDxH) / Weight	180mm x 405mm x 359mm / Approximately 10kg	

Specifications are subject to change without notice. Details may vary depending on the region.

*1: For A4 / 85g/m^2.
*2: Printer menu setting must be set. Depending on the application, it may not be possible to make a margin of 1mm (0.04") width along the edges of paper. Printing can be performed into the area inside 1mm (0.04") from the sides of paper but deterioration of print quality such as loss of characters or figures and bleeding may occur depending on the original.
*3: When printing onto an envelope, a margin of 10mm width is made.
*4: The printer is in the print mode but is not printing (at 20°C).
*5: Consumables and controller are not included.
*6: PPML 2.1, conformance subset GA (graphic arts), Level 1.
*7: Available with "IS700C Professional Package".
*8: Available with "IS700C Advanced Package" or "IS700C Professional Package".

RISO KAGAKU CORPORATION

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